

ABSTRACT

A method for manufacturing a porous honeycomb structure of the present invention comprises the steps of: mixing at least an aggregate raw material, water, an
5 organic binder, a pore-forming agent, and an alkali metal source, wherein the aggregate raw material comprises metal silicon and/or a non-oxide ceramic containing silicon; kneading the mixture to form clay; forming the clay into a honeycomb shape having a plurality of cells as passages for
10 fluid; drying the formed body to obtain a honeycomb formed body; calcinating the honeycomb formed body to obtain a calcinated body; and firing the calcinated body to obtain a porous honeycomb structure.